



May 10 2001

Mr. Jim Christiansen  
United States Environmental Protection Agency  
Region 8  
999 18<sup>th</sup> Street - Suite 300  
Denver, CO 80202-2466

Ref: 8EPR-SR

**RE: Richardson Flat Monthly Status Report for April 2001.**

Dear Mr. Christiansen:

This monthly Status Report details site activities conducted at Richardson Flat for the month of April 2001. Also included are the proposed site activities for the months of May and June.

**Sampling Activities Conducted:**

On April 4, 2001 the first round of monthly surface water sampling was conducted. Samples were collected at locations RF-8, RF7-2, RF6-2, RF5, RF4, RF3-2, RF2 and RF1. One duplicate sample was collected at location RF4. Samples were submitted to the laboratory on April 4, 2001. Results are reported in Table 1, attached, laboratory reports are located in Appendix A. Field data sheets and chain-of-custody forms can be found in Appendix B. An electronic copy of the AEC laboratory analytical report will be emailed to you and Jeff Montero. The Frontier Geosciences laboratory report for the low detection mercury results will not be emailed, however, these data are included in the summary table and a hard copy of the report is included in Appendix A.

**Planned Activities: May 2001**

1. Monthly surface water sampling will be conducted the week of May 7, 2001.
2. Several soil sampling activities will be performed in May, they include:
  - Onsite Soils Cover Sampling (week of May 7)
  - Off-Site Soils Cover Sampling (week of May 7)
  - Tailings (week of May 7)
  - Delineation of Tailings South of the Diversion Ditch (week of May 7)
  - Background Soil Samples (week of May 14)
3. Groundwater monitoring well installation is planned for the week of May

to confirm soil and alluvial conditions in the vicinity of the planned monitoring well locations. Due to wet ground conditions, a drill pad will be constructed adjacent to the Rail-Trail at the location of the proposed upgradient well. The wells will be developed (May 10<sup>th</sup>) and initial groundwater samples will be collected (May 14).

4. Two piezometers will be installed in May in the area of the tailings outside of the Diversion Ditch, these piezometers are designated RT-13 and RT-14 in the approved SAP.
5. Soil sample locations will be surveyed by GPS in May.

**Planned Activities: June 2001**

1. Monthly surface and groundwater sampling will be conducted.
2. Collect any remaining soil samples that were not collected in May.

If you should have any questions or comments, please contact me at 801-255-2626.

Best regards,

James R. Fricke  
RMC

Cc: Jeff Montero  
Kerry Gee  
Kevin Murray  
Muhammed Slam

Table 1. Analytical Summary - Surface Water Data, Richardson Flat Remedial Investigation

(units mg/l, unless specified)

Lab number	Date Collected	Sample Location	AS	AG(D)	AL	AL(D)	ALK	AS	AS(D)	CA	AT/AN BA	CD	CD(D)	CL-	CO3	COND.	CR	CR(D)	CU	CLUD	FE	FE(D)	H4RD	HCO3	HG	HG(D)	HG	HG(D)	HG	units ppb	HG	units ppt	HQ(D)	K	MG	MN	MN(D)	NA	NH3/N	NO2/NO3	P	Pb	Pb(D)	PH	SB	SB(D)	SE	SE(D)	SO4=	TDS	TSS	Zn	Zn(D)	Flow	cfs
L010443.001	04-Apr-01	RF-SW-RF1	<0.005	<0.005	1.8	0.57	84.	<0.005	<0.005	25.	4.6	<0.001	<0.001	15.	<1.0	240.	<0.01	<0.01	<0.005	1.2	0.43	85.	84.	0.24	<0.20	6.93	4.42	2.1	5.9	0.006	<0.005	9.7	0.10	0.12	<0.1	<0.005	<0.005	7.6	<0.005	<0.005	<0.004	32.	198.	18.	0.034	0.023	nm	nm							
L010443.002	04-Apr-01	RF-SW-RF2	<0.005	<0.005	0.58	0.19	124.	0.005	0.006	44.	2.0	<0.001	<0.001	44.	<1.0	447.	<0.01	<0.01	<0.005	0.49	0.20	151.	124.	0.28	0.20	6.93	4.42	2.1	10.	0.018	<0.005	25.	0.18	<0.10	<0.1	<0.005	<0.005	7.7	<0.005	<0.005	<0.004	36.	316.	7.6	0.030	0.027	0.3	nm							
L010443.003	04-Apr-01	RF-SW-RF3-2	<0.005	<0.005	1.4	0.089	108.	0.009	0.009	39.	1.6	<0.001	<0.001	76.	<1.0	554.	<0.01	<0.01	0.006	0.85	<0.10	135.	108.	0.24	0.22			3.4	9.1	0.061	0.051	45.	0.16	<0.10	<0.1	0.005	<0.005	7.7	<0.005	<0.005	<0.004	34.	360.	20.	0.098	0.077	0.87	nm							
L010443.004	04-Apr-01	RF-SW-RF4	<0.005	<0.005	0.48	0.086	137.	0.008	0.008	66.	<1.0	0.002	<0.001	68.	<1.0	670.	<0.01	<0.01	0.005	0.45	<0.10	226.	137.	0.24	0.20			2.8	15.	0.23	0.24	37.	0.30	<0.10	<0.1	<0.005	<0.005	7.7	<0.005	<0.005	<0.004	101.	466.	10.	0.66	0.61	nm	nm							
L010443.007	04-Apr-01	RF-SW-RF504	<0.005	<0.005	0.47	0.069	130.	0.008	0.007	65.	1.6	0.002	<0.001	71.	<1.0	672.	<0.01	<0.01	<0.005	0.50	<0.10	222.	130.	0.24	0.22			2.6	15.	0.23	0.24	34.	0.17	<0.10	<0.1	<0.005	<0.005	7.7	<0.005	<0.005	<0.004	101.	462.	10.	0.66	0.60	nm	nm							
L010443.005	04-Apr-01	RF-SW-RF5	<0.005	<0.005	0.34	<0.05	134.	0.006	0.005	76.	1.4	0.001	<0.001	74.	<1.0	734.	<0.01	<0.01	<0.005	0.35	<0.10	258.	134.	0.26	0.22			2.7	17.	0.069	0.062	36.	0.11	<0.10	<0.1	<0.005	<0.005	7.7	<0.005	<0.005	<0.004	114.	514.	6.2	0.45	0.38	nm	nm							
L010443.006	04-Apr-01	RF-SW-RF6-2	<0.005	<0.005	0.35	<0.05	153.	<0.005	<0.005	104.	5.0	<0.001	<0.001	69.	<1.0	902.	<0.01	<0.01	0.010	<0.005	0.34	<0.10	349.	153.	0.32	<0.20	5.31	2	2.8	22.	0.86	0.82	35.	0.20	<0.10	<0.1	<0.005	<0.005	7.6	<0.005	<0.005	<0.004	243.	644.	8.4	0.30	0.15	0.976	nm						
L010443.008	04-Apr-01	RF-SW-RF7-2	<0.005	<0.005	0.065	<0.05	152.	<0.005	<0.005	130.	1.9	0.005	0.005	254.	<1.0	1484.	<0.01	<0.01	0.007	<0.005	0.28	<0.10	467.	152.	0.32	0.22			2.8	34.	0.20	0.16	115.	0.17	0.73	<0.1	0.028	<0.005	8.0	0.009	0.007	<0.004	253.	948.	3.2	1.4	1.3	4.18	nm						
L010443.009	04-Apr-01	RF-SW-RF8	<0.005	<0.005	0.059	<0.05	150.	<0.005	<0.005	128.	4.1	0.004	0.003	263.	<1.0	1450.	<0.01	<0.01	0.007	<0.005	0.25	<0.10	453.	150.	0.26	0.22			2.9	33.	0.15	0.13	110.	0.19	0.58	<0.1	0.023	<0.005	7.8	0.009	0.008	<0.004	253.	931.	3.2	1.2	1.1	nm	nm						

**TARGET SHEET**  
EPA REGION VIII  
**SUPERFUND DOCUMENT MANAGEMENT SYSTEM**

DOCUMENT NUMBER: 2008739

SITE NAME: RICHARDSON FLAT TAILINGS

DOCUMENT DATE: 05/10/2001

**DOCUMENT NOT SCANNED**

Due to one of the following reasons:

- ☐ PHOTOGRAPHS
- ☐ 3-DIMENSIONAL
- ☐ OVERSIZED
- ☐ AUDIO/VISUAL
- ☐ PERMANENTLY BOUND DOCUMENTS
- ☐ POOR LEGIBILITY
- ☐ OTHER
- ☐ NOT AVAILABLE
- ☒ TYPES OF DOCUMENTS NOT TO BE SCANNED  
(Data Packages, Data Validation, Sampling Data, CBI, Chain of Custody)

DOCUMENT DESCRIPTION:

APPENDIX A Laboratory Reports

APPENDIX B Field Data Sheets, Chain-of-Custody

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